

DEC 14 2010

PTO/SB/08a (07-09)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 10

Complete if Known

Application Number	10/781,751
Filing Date	FEBRUARY 20, 2004
First Named Inventor	RAYMOND A. JOAO
Art Unit	2612
Examiner Name	E. BLOUNT
Attorney Docket Number	RJ455

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,244,758	06-12-2001	SOLYMAR, ET AL.	
		US- 6,269,392	07-31-2001	COTICHINI, ET AL.	
		US- 6,144,702	11-07-2000	YURT, ET AL.	
		US- 6,002,720	12-14-1999	YURT, ET AL.	
		US- 5,911,582	06-15-1999	REDFORD, ET AL.	
		US- 5,845,283	12-01-1998	WILLIAMS, ET AL.	
		US- 5,845,227	12-01-1998	PETERSON	
		US- 5,845,203	12-01-1998	LADUE	
		US- 5,838,683	11-17-1998	CORLEY, ET AL.	
		US- 5,699,276	12-16-1997	ROOS	
		US- 5,550,863	08-27-1996	YURT, ET AL.	
		US- 5,253,275	10-12-1993	YURT, ET AL.	
		US- 5,132,992	07-21-1992	YURT, ET AL.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			

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		Number-Kind Code ² (if known)			
		US- 3,669,288	06-13-1972	YOUNG	
		US- 6,044,990	04-04-2000	PALMERI	
		US- 6,464,142	10-15-2002	DENENBERG, ET AL.	
		US- 20020017996A1	02-14-2002	NIEMIEC	
		US- 20040230601A1	11-18-2004	JOAO, ET AL.	
		US- 5,189,396	02-23-1993	STOBBE	
		US- 5,097,253	03-17-1992	ESCHBACH, ET AL.	
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Sheet	5	of	10
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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PAGE 16/19 * RCVD AT 12/14/2010 10:02:05 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-4/10 * DNIS:2738300 * CSID:914 969 2992 * DURATION (mm:ss):05:54

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